

BLAST REPORT

BLAST REPORT # WS 04☐ Sanders Construction, Inc.☒ Western States Drilling & Blasting, Inc.DATE: JUNE 30, 2010EXACT TIME OF SHOT: 8:08 PMCUSTOMER: KLB CONST.JOB NO.: WS 21005SHOT LOCATION WITH GPS COORDINATES: STA 1337

TICKET NO.: _____

CHECK LIST COMPLETED: YES NO

TYPE OF ROCK: METAWELDED LAPILLI TUFF FACE HEIGHT: _____ FT. POUNDS PER DELAY: MAX 1#TOTAL HOLES: 12NUMBER OF HOLES: 12HOLE DIA: 1 1/2" B x S _____ x _____STEMMING: 2' DEPTH: 3' to 6'

NUMBER OF HOLES: _____

HOLE DIA: _____ B x S _____ x _____

STEMMING: _____ DEPTH: _____

POWDER FACTOR: _____

LBS. OF EXPLOSIVES: 4#YARDS OF ROCK: 15 Yd of BOULDERSWEATHER: PARTLY CLOUDY 58°WIND: W 5-7EXACT MONITOR LOCATION(GPS): NOT USED

DIRECTION OF BLAST: _____

MONITOR TYPE: _____

MONITOR: L/R _____ T _____ V _____ PVS _____ Db _____

MONITOR SERIAL NO.: _____

DISTANCE TO BLAST: _____

AVERAGE POUNDS PER HOLE: _____

OPERATOR: _____

EXACT MONITOR LOCATION(GPS): NOT USED

DIRECTION OF BLAST: _____

MONITOR TYPE: _____

MONITOR: L/R _____ T _____ V _____ PVS _____ Db _____

MONITOR SERIAL NO.: _____

DISTANCE TO BLAST: _____

AVERAGE POUNDS PER HOLE: _____

OPERATOR: _____

EXPLOSIVES

DESCRIPTION	QUANTITY USED	DATE CODE	MAGAZINE	REMOVED	RETURNED
LOCATION:					
BULK A/N	Lbs				
BAG ANFO	Bags				
POWDER	ea.				
POWDER <u>7/8" Powers</u>	<u>4#</u> ea.	<u>091119</u>	<u>f2088</u>	<u>55#</u>	<u>51#</u>
lb. BOOSTER	ea.				
lb. BOOSTER	ea.				
<u>16</u> ft. <u>EXCEL 20</u>	<u>12</u> ea.	<u>09N00964</u>	<u>f3155</u>	<u>57ea</u>	<u>45ea</u>
<u>50</u> ft. <u>CON. DET</u>	<u>5</u> ea.	<u>08JA0164</u>	<u>f3155</u>	<u>032 ea</u>	<u>27ea</u>
ft.	ea.				
ft.	ea.				
ft.	ea.				
ft.	ea.				
ft.	ea.				
ft. ms	ea.				
	ft.				
	ft.				
GRAIN CORD	ft.				
GRAIN CORD	ft.				
MISCELLANEOUS					
<u>LIL</u>	<u>850'</u>	<u>08MA1064</u>	<u>f3155</u>	<u>1 RL</u>	<u>2150'</u>

COMMENTS:

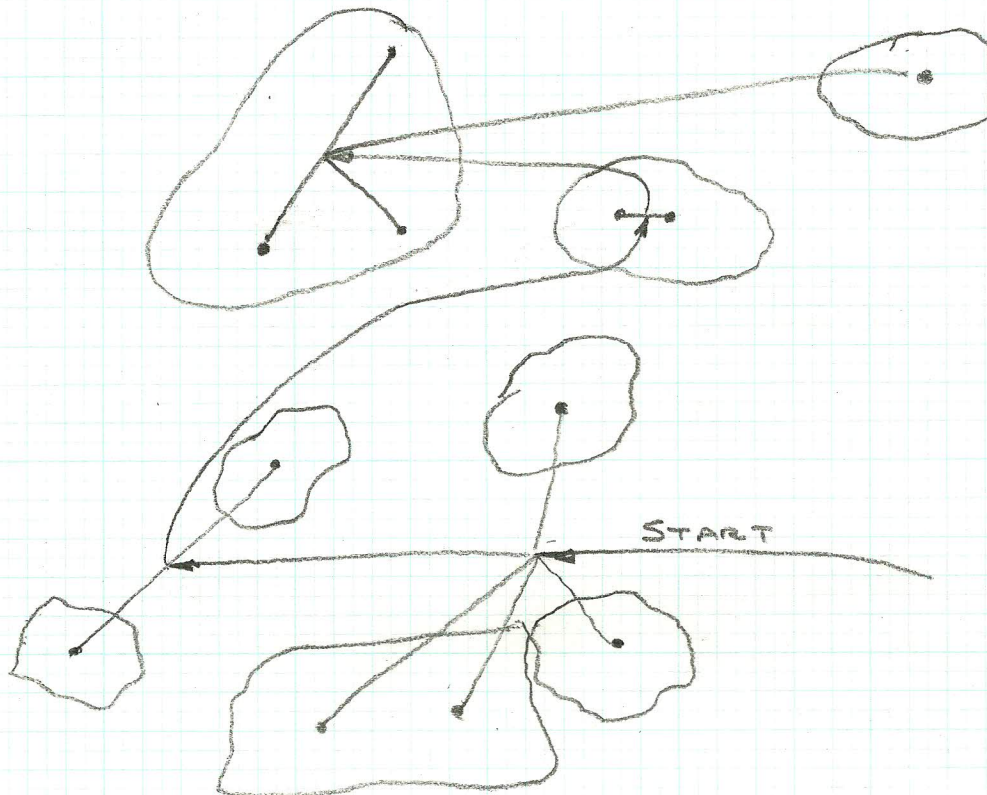
BLAST CONSISTED OF A SERIES OF 12 BOREHOLES EACH LOADED WITH A MAXIMUM OF .45" OF POWERSPLIT AND PRIMED WITH #8 EXCEL DETONATORS

BLASTER'S SIGNATURE: Chen SuLICENSE NO.: U 21262

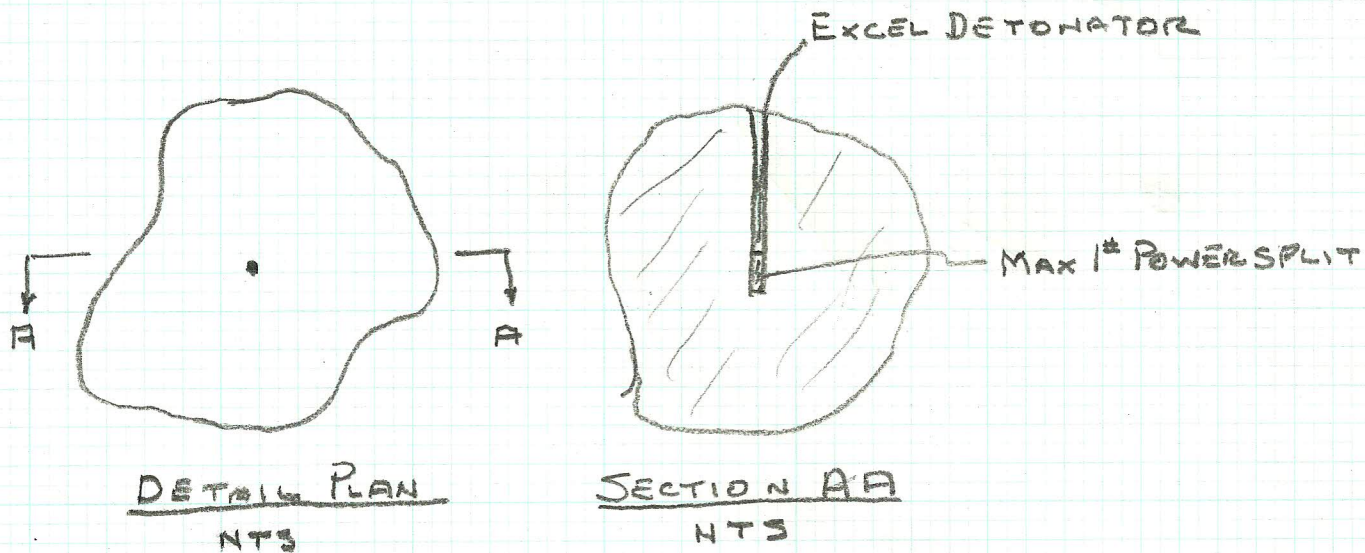
Revised 03/04

ATTACH SKETCH OF SHOT

THIS FORM MUST BE FILLED OUT COMPLETELY



PLAN VIEW FOR SHOT # W504
EST. 12 CUBIC YDS BLASTED



Check List

Date July 30, 2010

Job Number WS 21005

Shot Number WS04

1. BEFORE BLASTING

NOTIFICATION

- ☒ Fire Department
- ☒ Utilities
- ☒ Businesses & Home Owners
- ☒ Seismograph Tech
- ☒ Other (List)

MATERIAL & EQUIPMENT

- ☒ Adequate Stemming Material
- ☒ Warning Signs
- ☒ Warning Signals
- ☒ Safe Amount of Lead Line
- ☒ Seismograph Paper, Pens, etc.
- ☒ Fire Extinguishers (charged)
- ☒ Adequate Blasting Shelter
- ☒ Mats (If Applicable)

SHOT DESIGN

- ☒ Pattern OK for Area
- ☒ Sufficient Burden to Face
- ☒ Reviewed drill logs
- ☒ Measured Depth, Burden & Spacing
- ☒ Shot Area Posted & Secure
- ☒ Shot Diagramed on Back

2. DURING LOADING

CONSTANT CHECKS

- ☒ Explosives
- ☒ Running Inventory
- ☒ Access Row Empty
- ☒ Drills & Traffic 50' Away
- ☒ Shot can be fired in case of emergency

All Holes to be checked & approved

☒ Blaster initial
☒ Supt initial

3. DETONATION

HOOK - UP

- ☒ All Unnecessary Crew Cleared
- ☒ All Holes Loaded & Stemmed
- ☒ Hand Check tubing Before Each Connection
- ☒ Visually Insured That Each Connection is Snapped

SECURE AREA

- ☒ Set up Seismograph
- ☒ Est. Checkpoints at Each Access
- ☒ Radio Communication with Checkpoints.
- ☒ Cleared People, Vehicles & Equipment
- ☒ Visual Coverage of Entire Site
- ☒ Five Minute Warning
- ☒ One Minute Warning

4. AFTER DETONATION

POST BLAST CHECK

- ☒ Waited for Dust & Fumes to Dissipate
- ☒ Walked Entire Area of Shot
- ☒ Insured that tail Surface Delays Fired at the End of Each Row
- ☒ Sounded All Clear Signal

LEGAL DOCUMENTATION

- ☒ Completed Shot Report
- ☒ Diagramed Shot w/ Seismograph Location (Direction & Distance)
- ☒ Recorded Seismic Results on Blast Report
- ☒ Final Inventory of Explosives Recorded
- ☒ Ticket Number Assigned By Job Supervisor
- ☒ Signed Blast Report w/ License No.

Supt has checked and verified that all has been completed and shot area is ready for loading

☒ Supt initial